

IN THE CLAIMS

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-14. (Cancelled)

15. (Original) A cam mechanism comprising:

a cylindrical housing;

a movable member contained in the housing for moving reciprocally in first and second directions parallel to a longitudinal axis of the housing;

a first groove inclined relative to the axis of the housing and a second groove connected to the first groove and extending linearly in parallel to the axis of the housing, the first and the second grooves being provided at one of the housing and the movable member; and

a protrusion provided at the other one of the housing and the movable member, the protrusion extending into the first groove and the second groove;

wherein the protrusion moves in the first groove when the movable member moves in the first direction, and moves in the second groove when the movable member moves in the second direction.

16. (New) A method of supplying a lancet and a sensor from an interior of a first housing into an interior of a second housing, the method comprising:

temporarily attaching the first housing to the second housing for causing the lancet and the sensor together to be supported respectively on a lancet holding portion and a sensor holding portion in the interior of the second housing; and.

removing the first housing from the second housing while keeping the lancet and the sensor supported on the respective holding portions in the interior of the second housing.

17 (New) The method according to claim 16, wherein the lancet includes a body and a needle projecting from the body, the body being formed integral with a cap covering the needle and fixed to the first housing, and

wherein the method further comprising breaking a boundary between the cap and the body of the lancet while the first housing is held attached to the second housing, by rotating the body of the lancet relative to the cap utilizing a rotating mechanism prearranged in the second housing.

18. (New) The method according to claim 17, wherein the lancing holding portion is reciprocally movable in the second housing, and

Wherein the rotating mechanism comprises a cam mechanism for rotating the lancet holding portion and the body of the lancet relative to the cap utilizing a pressing force exerted when the lancet holding portion is pressed into the second housing by the lancet.

19. (New) The method according to claim 16, wherein the first housing is slidably fitted to an end of the second housing for temporary attachment, the lancet being pressed against the lancet holding portion to be pushed into the second housing.

20. (New) The method according to claim 17, wherein the rotating mechanism comprises a motor for rotating the lancet holding portion and the body of the lancet relative to the cap.

21. (New) A lancing device comprising:

a cylindrical housing;

a lancet holder that holds a lancet for reciprocal movement along a longitudinal axis of the housing;

a moving mechanism for advancing the lancet holder along the longitudinal axis of the housing; and

a cam mechanism for converting a retracting movement of the lancet holder along the longitudinal axis of the housing into rotation of the lancet holder.

22. (New) The lancing device according to claim 21, wherein the lancet holder holds the lancet in a manner such that the lancet holder and the lancet are not rotatable relative to each other,

wherein the cam mechanism causes the lancet holder to rotate together with the lancet.

23. (New) The lancing device according to claim 21, wherein the cam mechanism includes a first groove which provided on the housing and is inclined relative to the longitudinal axis of the housing, and a protrusion which is provided on the lancet holder and is fitted in the first groove.

24. (New) The lancing device according to claim 23, wherein the cam mechanism further includes a second groove connected to the first groove and extending in parallel to the longitudinal axis of the housing, and

wherein the protrusion passes through the second groove when the lancet holder advances.

25. (New) The lancing device according to claim 21, further comprising a holding portion for removably holding an analyzer used for analyzing a sample taken by a piercing process.

26. (New) The lancing device according to claim 25, further comprising a control circuit for analyzing the sample using the analyzer.